



1741

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Michael Cawthorne, et al.

Serial No. : 10/019,139

RECEIVED

Filing Date : May 20, 2002

NOV 06 2003

Examiner : Not yet assigned

Group Art Unit : 1741

TECH CENTER 1600/2900

Entitled : METHODS AND COMPOSITIONS
RELATING TO PANCREATIC ISLET
AND B-CELL DYSFUNCTION

Suite 2400
1601 Market Street
Philadelphia, PA 19103
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Our File No. 0380-P02773US0

Certificate of Mailing Under 37 C.F.R. §1.8(a):

I hereby certify that this correspondence is being deposited on October 24, 2003 with the United States Postal Service as first-class mail in an envelope properly addressed to the Mail Stop, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Lynn C. Fischer
Lynn C. Fischer

Mail Stop
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Dear Sir:

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants are submitting herewith a Form PTO-1449 and a copy of the references listed thereon. This

Information Disclosure Statement is being filed more than three (3) months after the filing date, but before receipt of the first Official Action on the merits. Thus, it is believed by the undersigned attorney that no fee is required under 37 C.F.R. §1.97(b).

Applicants wish to call the Examiner's attention to their co-pending U.S. patent applications, serial numbers 10/070,081 and 09/980,422.

Several references listed on the Form PTO-1449 were also listed on the International Search Reports of this application and the co-pending U.S. patent applications 10/070,081 and 09/980,422. The U.S. Patent and Trademark Office has already received the references listed in the International Search Reports as indicated on the Form PCT/DO/EO/903 (371 Acceptance Notice) in each application. Those references are listed on the Form 1449 as A14 and A15, B6, B7, B9, B9, and B10, and also C19, C20, C21, C22, C23 and C24.

In the event that a fee is required, the Commissioner is authorized to charge Deposit Account No. 04-1406 of the undersigned attorneys. A duplicate copy of this sheet is enclosed.

In the opinion of the undersigned, the references submitted herewith are the most pertinent of which the undersigned is aware. However, no representation is made or intended that more pertinent references do not exist.

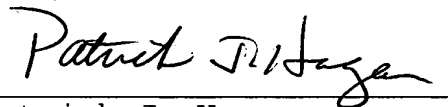
This submission is not an admission that the references listed on the attached Form PTO-1449 constitute prior art against the claims of this application.

The Examiner is respectfully requested to confirm receipt and consideration of the cited references by initialing and returning a copy of the attached Form PTO-1449 in accordance with M.P.E.P. §609.

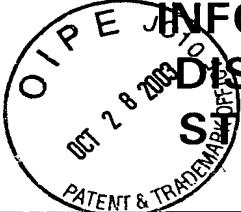
Early and favorable consideration of this application is respectfully requested.

DANN DORFMAN HERRELL and
SKILLMAN, P.C.

Attorneys for Applicant

By 
Patrick J. Hagan
Registration No. 27,643

PJH:lcf
Enclosures

	<i>Complete if known</i>	
	Application Number: 10/019,139	
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	First Named Inventor: Michael Cawthorne, et al.	
	Group Art Unit: 1741	
SHEET 1 OF 4		Examiner Name: Not yet assigned Our File No. 0380-P02773USO

GROUP 1700


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UNITED STATES PATENT DOCUMENTS					TECH CENTER 1600/2900
EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR	
	A1	5,702,902	12-30-1997	Tartaglia	
	A2	5,849,578	12-15-1998	Falb	
	A3	5,846,824	12-08-1998	Hiles	
	A4	5,840,504	11-24-1994	Blecher	
	A5	5,837,116	11-17-1998	Harrington	
	A6	5,773,645	06-30-7998	Hochstrasser	
	A7	5,716,787	02-10-1998	Dunn	
	A8	5,562,813	10-08-1996	Mullaart	
	A9	5,407,546	04-18-1995	Schickle	
	A10	4,874,490	10-17-1989	Hochstrasser	
	A11	4,824,547	04-25-1989	Zhang	
	A12	4,666,581	05-19-1987	Itoh	
	A13	5,789,651	08-04-1998	Woychik	
	A14	5,861,485 A	01-19-1999	Tartaglia	
	A15	5,795,726 A	08-18-1998	Glucksmann M. Alexandra	

FOREIGN PATENT DOCUMENTS					
EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
	B1	WO 96/05861A1	PCT	02-29-1996	Millenium Pharmaceuticals
	B2	WO 98/19271	PCT	05-07-1998	Mose Larsen, et al.
	B3	WO 98/20124	PCT	05-14-1998	Mose Larsen, et al.
	B4	WO 99/41612	PCT	08-19-1999	Oxford Glycosciences
	B5	WO 99/47925	PCT	09-23-1999	Oxford Glycosciences

EXAMINER'S SIGNATURE		DATE CONSIDERED	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw a line through citation if citation not in conformance and reference not considered. Include a copy of this form with next communication to applicant.

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SHEET 2 OF 4	Our File No. 0380-P02773USO	

GROUP 1700

	B6	WO 00/46369 A	PCT	08-10-2000	Chiron Corp.
	B7	WO 97/15310 A	PCT	05-01-1997	University Florida Research Foundation
	B8	WO 00/46404 A	PCT	08-10-2000	Das Rina, Jett Marti, et al.
	B9	WO 00/32779 A	PCT	06-08-2000	Leptin Maria
	B10	WO 00/32618 A	PCT	06-08-2000	Exelixis Pharmaceuticals Inc.

OTHER PRIOR ART - NON-PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	DONNELLY, RICHARD, et al., "Mechanisms of Insulin resistance and new pharmacological approaches to metabolism and diabetic complications"; Clin. Exp. Pharmacol. & Physiol., 25: 79-87 (1998)
	C2	LYNCH, CHRISTOPHER J., et al., "Carbonic anhydrase III in obese Zucker rats"; Am. J. Physiol. 264: E621-E630 (1993)
	C3	LYNCH, CHRISTOPHER J., et al., "Pyruvate carboxylase in genetic obesity"; Am. J. Physiol. 262: E608-E618 (1992)
	C4	BLACKSHEAR, PERRY J., et al., "Evidence against Insulin-stimulated Phosphorylation of Calmodulin in 3T3-L1 Adipocytes"; J. Biol. Chem., 264: 3854-3858 (1989)
	C5	SADOWSKI, HENRY B., et al., "Gene Expression During 3T3-L1 Adipocyte Differentiation"; J. Biol. Chem., 266: 4722-4731 (1992)
	C6	ANDERSON, N. LEIGH, et al., "The Effects of Peroxisome Proliferators on Protein Abundances in Mouse Liver"; Toxicology and Applied Pharmacology, 137: 75-89 (1996)
	C7	ANDERSEN, HENRIK U., et al., "Interleukin-1 β induced changes in the protein expression of rat islets: a computerized database"; Electrophoresis 18: 2091-2103 (1997)
	C8	ROSSIER, JOEL S., et al., "Microchannel networks for electrophoretic separations"; electrophoresis 20: 727-731 (1999)
	C9	Conference: "Improved management of obesity and non-insulin dependent diabetes mellitus & novel drug developments"; Royal College of Pathologists, London, April 19-20 (1999)
	C10	Conference: "Novel drug developments for NIDDM & insulin resistance"; Royal College of Pathologists, London, April 21 (1999)
	C11	NORDHOFF, ECKHARD, et al., "Rapid identification of DNA-binding proteins by mass spectrometry"; Nat. Biotech., 17: 884-888 (1999)

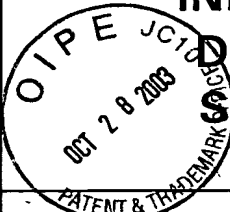
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SHEET 3 OF 4	Our File No. 0380-P02773USO

	C12	ANDERSEN, HENRIK U., et al., "Two-dimensional gel electrophoresis of rat islet proteins"; Diabetes, 44: 400-407 (1995)
	C13	LARSEN, MOSE, et al., Meeting abstract, Electrophoresis conference, Siena, Italy, "Towards understanding diabetes at the molecular level"; Oral Parallel Session 2 - Rat and Mouse p. 135 (1998)
	C14	EDVARDSSON, U., et al., Meeting abstract, Electrophoresis conference, Siena, Italy, "A proteomics analysis of livers from obese (OB/OB) mice treated with the ppar agonists WY14,643 and BRL49653"; Oral Parallel Session 2 - Rat and Mouse, p. 136 (1998)
	C15	SANCHEZ, JEAN-CHARLES, "Proteomic studies in obesity and NIDDM"; Abstract of presentation given at 4 th International Clore Symposium, Buckingham, UK, July 1, 1999
	C16	SANCHEZ, JEAN-CHARLES, et al., "Effect of rosiglitazone on the differential expression of diabetes and obesity associate proteins in ob/ob mice: molecular targets of insulin sensitisation"; abstract of poster presentation at Keystone Symposium on Diabetes Mellitus: February 20, 2000, Taos, New Mexico, USA
	C17	SANCHEZ, JEAN-CHARLES, et al., "Effect of rosiglitazone on the differential expression of diabetes associated proteins in pancreatic islets of C57B1/6J lep/lep mice"; presentation at American Diabetes Association Conference, San Antonio, USA, June 20, 2000; Diabetes 49, Supplement 1, Abs 1041-P, A250
	C18	SANCHEZ, JEAN-CHARLES, et al., "Using proteomics to identify islet targets"; abstract of presentation given at IBC Conference on NIDDM, London, UK April 4, 2000
	C19	EDVARDSSON, U., et al., "A proteome analysis of livers from obese (ob/ob) mice treated with the peroxisome proliferator WY14,643." Electrophoresis, 20:935-942, (1999)
	C20	SHIMADA, A., et al., "Beta-cell destruction may be a late consequence of the autoimmune process in nonobese diabetic mice"; Diabetes, 45:1063-1067 (1996).
	C21	JITRAPAKDEE, S., et al., "Regulation of rat pyruvate carboxylase gene expression by alternative promoters during development, in genetically obese rats and in insulin-secreting cells: Multiple transcripts with 5'-end heterogeneity modulate translation."; J. of Biological Chemistry, 273: 34422-34428 (1998).
	C22	STANTON, L.W., et al., "Expression of CA III in rodent models of obesity"; Molecular Endocrinology, 5: 860-866, (1991).
	C23	LEE, R.I., et al., "Cloning and characterization of a 35-kDa mouse mitochondrial outer membrane protein MOM35 with high homology to Tom40." J. of Bioenergetics and Biomembranes, 32: 111-121 (2000).

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SHEET 4 OF 4

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C24

LEE, S.C., et al., "Proteome analysis of rat skeletal muscle: Characterization of a novel form of insulin resistance associated protein p20." FASEB Journal, 11: A949 (1997), 17th International Congress of Biochemistry and Molecular Biology in conjunction with the Annual Meeting of the American Society for Biochemistry and Molecular Biology; San Francisco, California, USA, August 24-29, 1997.

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